State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-3-146 Relating to Certification of New Motor Vehicles

MERCEDES-BENZ AG

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1995 model-year Mercedes-Benz AG exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

2.8 Liters (171 Cubic Inches) Engine Family: SMB3.6VJGFEK Displacement: 3.2 Liters (195 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Secondary Air Injection Exhaust Gas Recirculation

Sequential Multiport Fuel Injection

Heated Oxygen Sensors (Two)
Dual Three Way Catalytic Converters (Models C280/S320)

Three Way Catalytic Converter (Model SL320)

On-Board Diagnostic II

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The certification exhaust emission standards (alternative in-use compliance standards in parentheses) for this engine family in grams per mile are:

<u>Miles</u>	Non-Methane	Carbon	Nitrogen	
	<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>	
50,000	0.25 (0.32)	3.4 (5.2)	0.4 (n/a)	
100,000	0.31 (n/a)	4.2 (n/a)	n/a	

The certification exhaust emission values for this engine family in grams per mile are:

· <u>Miles</u>	Non-Methane	Carbon	Nitrogen
	<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>
50,000 100,000	0.08	0.7	0.2 n/a

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the aforementioned exhaust emission standards based on its submitted plan to comply with the fleet average non-methane organic gas (NMOG) exhaust mass emission requirements as set forth in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That under the submitted NMOG fleet average compliance plan, if the manufacturer incurs a NMOG debit for the aforementioned model year based on the projected NMOG fleet average exceeding the value required by the above-referenced standards and test procedures, all incurred NMOG debits by the manufacturer shall be equalized as required by the standards and test procedures.

BE IT FURTHER RESOLVED: That, based on a separate compliance plan submitted by the vehicle manufacturer, the listed vehicle models are permitted alternative in-use compliance as set forth in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the submitted alternative in-use compliance plan satisfies the requirement that a maximum of 60 percent of the manufacturer's projected sales of 1995 model-year California-certified passenger cars and light-duty trucks will be subject to alternative in-use compliance as stipulated in the above-referenced standards and test procedures.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the 50,000-mile evaporative emission standards applicable to 1980 through 1994 model-year vehicles in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles", and the listed vehicle models comply with those standards.

BE IT FURTHER RESOLVED: That, based on the evaporative emission phase-in compliance schedule submitted by the vehicle manufacturer, the listed vehicle models shall not be subject to the running loss and useful life standards set forth in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles."

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" for the aforementioned model year (Title 13, California Code of Regulations, Section 2235).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high-altitude requirements and highway emission standards, and with the California Inspection and Maintenance emission standards in place at the time of certification, as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" (Title 13, California Code of Regulations, Section 1968.1) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

R. B. Summerfield Assistant Division Chief Mobile Source Division

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Manufacturer	: Mercedes-Benz		Exh	Engine	Family:SM	B3.6VJGFE	<u>K</u>
Evap Std: 50	OK <u>X</u> Useful L	ife with R/L	Eva	e Engin	e Family: <u>SM</u>	B1030AYM0	1
Exh Std: Tier	r-0Tier-1 <u>X</u>	TLEVLEV	ULE	/ Z	EV; EPA T	ier-0	Tier-1 <u>X</u>
Veh Class(es)): PC <u>X</u> LDT1_	LDT2	MDV1	_ MDV2	MDV3	MDV4	MDV5
Single Cert S	Std for Multi-Cla	ss Eng Fam: 🖊	<u>//A</u> (spi	ecify:	N/A, LDT1, MDV	1, MDV2, 1	MDV3, MDV4)
Exh Cert Fue	l(s): Indo <u>X</u> Pl	n2 Diesel	: 13 CCR	2282	or 40 CFR 86	.113-90	_ or -94
	M85 CI	NG LPG	Other ((specif	y)	 	· · · · · · · · · · · · · · · · · · ·
Fuel Type(s):	: Dedicated F	lex-Fuel D	ual-Fuel		Gasoline <u>X</u>	_ Diesel	M85
	CNGLNG	LPG Other	(specify	/)			·
	A B C,				•		
Engine Config	guration: <u>L-6</u> [Displacement: .		3.2	Liters	<u>/ 195</u> ci	ubic Inches
, T,	t <u>X</u> Mid <u> </u>				7 2)-FT	4WD-PT
Exhaust ECS	(eg., EGR, MFI, TO	C, CAC): <u>AIR/</u>	EGR/SFI/	H02S(2)	/TWC / OBD 2	11000 000	3.11
·					tions per SAE		91)
Engine Code	Vehicle Models (if coded see	Trans. Type A-automatic	ETW or	DPA or		EGR System	Catalytic Converter
PAYA9SIASOST	attachment) .	M-manual	Test Wt	RLHP	Part No.	Part No.	
M104-32A	S 320	Α.	5000	7.9	016 545 62 32	002 140	140 490 88 14
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	•				.	CMD	7 - 617 161006	
Manufacturer:	Mercedes-Benz	<u></u>	Exh	Engine	Family:	SMB.	O.OVJUTER	
Evan Std: 50	K X Useful Li	fe with R/L	Evap	Engine	Family:	- SWR	USUATPUT	
Exh Std: Tier	-O Tier-1 X	TLEV LEV_	ULEY	ZE	.V ; E	EPA Ti	er-0	lier-l <u>. A</u>
Vah Class(as)	+ PC X 10T1	LDT2	MDV1	MDV2_	MDV3	3	MDV4	. MDV5
Single Cert S	td for Multi-Clas	s Eng Fam: 🖊	<u>/A</u> (spe	cify: N	/A, LDT1,	, MDV1	, MDV2, M	1DV3, MDV4)
Exh Cert Fuel	(s): Indo <u>X</u> Ph	2 Diesel:	13 CCR	2282	or 40 Cf	R 86.	113-90	or -94
•	M85 CN	IG LPG	Other (specify	') <u> </u>			
Fuel Type(s):	DedicatedF1	ex-FuelDu	ual-Fuel_		Gasol	ine <u>X</u>	_ Diesel_	M85
	CNG LNG	LPG Other	(specify)				
Hybrid: Type	A B C	APU Cycle (e.d	ı Otto.	Diesel	, Turbine	e)		<u>-</u>
Engine Confid	puration: L-6	displacement:	2.8 /		.iters <u>17</u>	1 /	<u>′</u> Çı	ibic Inches
Fraine: Front	: X Mid F	lear . [Jrive: f	WU	KWUX	4 MT	/- r I	4WD-PT
Exhaust ECS. (eg., EGR, MFI, TO	, cac): <u>AIR</u>						
	•		(use at	breviat	ions per	SAL	11930 SEP	91)
Engine Code	Vehicle Models	Trans. Type	ETW	DPA	Igniti	on	EGR	Catalytic
(also list	(if coded see	A-automatic M-manual	or Test Wt	or . RIHP	(ECM/P) Part	LM) No.	System Part No.	Converter Part No.
	`attachment) . C 280		3750	7.2	016 545	53 32	002 140	
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								2414 / 2814
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Manufacturer	: Mercedes-Benz	2	Exh	Engine	Family: SMB3.	6VJGFEK	· .
Evap Std: 50K X Useful Life with R/L Evap Engine Family: SMB1030AYM01						30AYM01	
•	r-0Tier-1 <u>_X</u>						
Veh Class(es)): PC <u>X</u> LDT1_	LDT2	MDV1	_ MDV2	MDV3	MDV4	
Single Cert S	Std for Multi-Clas	ss Eng Fam: 💆	A (spe	ecify:	N/A, LDT1, MDV	1, MDV2, N	1DV3, MDV4)
Exh Cert Fue	l(s): Indo <u>X</u> Pl	n2 Diesel	: 13 CCR	2282	_ or 40 CFR 86	.113-90	or -94
•	M85 Ci	NG LPG	Other	(specif	y)		·
Fuel Type(s):	: Dedicated F	lex-Fuel D	ual-Fuel		Gasoline_X	_ Diesel_	M85
	CNGLNG	LPG Other	(specify	/) <u></u>			
Hybrid: Type	A B C,	APU Cycle (e.	g., Otto	Diese	l, Turbine)		<u> </u>
Engine Config	guration: <u>L-6</u> [Displacement:		3.2	Liters	<u>/ 195</u> Ci	ibic Inches
Engine: Front	t_X Mid f	Rear	Drive: 1	WD	RWD_X 4WI	D-FT	4WD-PT
-	(eg., EGR, MFI, To		R/EGR/SF	[/Ho2S(2)/TWC / OBD 2	,	
•			(use al	brevia	tions per SAE	J1930 SEP9	91)
Engine Code	Vehicle Models	Trans. Type		DPA	Ignition	EGR	Catalytic
(also list ^*/495T /50ST		A-automatic M-manual		ייסר סור ומ	(ECM/PCM) Part No.		
74931/3031	accacimienc) .	in-manua i	TESU HU	1/1/1/	Farc 110.	rait No.	Part NU.
M104-32C	SL 320	A	4500	6.6	016 545 62 32	002 140 13 60	129 420 32 14
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